



Features :

- Parallel redundancy design for power expansion
- User-friendly LCM Module
- Automatic master mechanism to eliminate single point failure and optimize reliability
- Built-in ATS and AC circuit breaker
- RS-232 and CAN BUS communication
- Input & output fully isolation
- Output voltage / power saving mode selectable
- Input Protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage Protection
- Output Protection: Short Circuit / Overload / Over Temperature / Over Voltage Protection
- Built-in Ethernet function

| MODEL | SD3000-112 | SD3000-124 | SD3000-148 | SD3000-212 | SD3000-224 | SD3000-248 |
|------------------|--|--|------------|------------|--|------------|
| Environment | Working Temp. | -20°C ~ +50°C | | | | |
| | Storage Temp. | -30°C ~ +70°C | | | | |
| | Relative Humidity | Max. 90%, non-condensing | | | | |
| Safety & EMC | Safety Standards | Meet UL 458 | | | Certified EN 61558-1, EN 61558-2-16 | |
| | EMC Standards | Certified FCC Class B | | | Certified EN 55014, EN 61000-3-2, EN 61000-3-3, Certified EN 61000-4-2, 3, 4, 5, 6, 11 | |
| Control & Signal | LED Indicator | Input voltage level, output load level and faulty status | | | | |
| | LCM (Optional) | 2 x 16 LCM control panel | | | | |
| Other | Dimension (WxHxD) | 283.1x128.4x49.6 mm / 11.146x5.056x1.9527 inch | | | | |
| | Weight | 10kg | | | | |
| | Cooling | Load & Thermal control fan | | | | |
| | Communication Port | CAN BUS (RJ45) , RS-232 (RJ11 type connector) | | | | |
| Application | Home and Office appliances, Portable Power Equipment, Vehicle, Yacht and Off-Grid Solar power systems...etc. | | | | | |

| MODEL | SD3000-112 | SD3000-124 | SD3000-148 | SD3000-212 | SD3000-224 | SD3000-248 | |
|-----------------------------------|-------------------------------------|---|--------------|--------------|------------------------------|--------------|--------------|
| Output | Rated Power | 3000W | | | | | |
| | Surge Power | 4500W | | | | | |
| | Waveform | True Sine Wave | | | | | |
| | Efficiency (full load @rated VDC) | 85% | 87% | 88% | 86% | 88% | 89% |
| | Output Voltage (@rated VDC) | 100 / 110 / 115 / 120VAC ±3% | | | 200 / 220 / 230 / 240VAC ±3% | | |
| | Output Frequency | 50 / 60Hz ±0.1% | | | | | |
| Total Harmonic Distortion (THD) | < 3% (@rated / VDC, linear load) | | | | | | |
| Input | DC Voltage | 12VDC | 24VDC | 48VDC | 12VDC | 24VDC | 48VDC |
| | Voltage Range | 10.0~16.0VDC | 20.0~32.0VDC | 40.0~64.0VDC | 10.0~16.0VDC | 20.0~32.0VDC | 40.0~64.0VDC |
| | Power Consumption @ Save Mode | 0.7A | 0.35A | 0.2A | 0.7A | 0.35A | 0.2A |
| | Power Consumption @ No Load Mode | < 2.0A | < 1.0A | < 0.55A | < 2.5A | < 1.35A | < 0.75A |
| Protection | BAT. Low Alarm | 10.5VDC | 21.0VDC | 42.0VDC | 10.5VDC | 21.0VDC | 42.0VDC |
| | BAT. Low Shutdown | 10.0VDC | 20.0VDC | 40.0VDC | 10.0VDC | 20.0VDC | 40.0VDC |
| | BAT.Low Restart | 12.5VDC | 25.0VDC | 50.0VDC | 12.5VDC | 25.0VDC | 50.0VDC |
| | BAT.High Alarm | 15.5VDC | 31.0VDC | 62.0VDC | 15.5VDC | 31.0VDC | 62.0VDC |
| | BAT.High Shutdown | 16.0VDC | 32.0VDC | 64.0VDC | 16.0VDC | 32.0VDC | 64.0VDC |
| | BAT.High Restart | 15.0VDC | 30.0VDC | 60.0VDC | 15.0VDC | 30.0VDC | 60.0VDC |
| | Input Protection | Reverse Polarity (Fuse) / Under Voltage / Over Voltage Protection | | | | | |
| | Output Protection | Short Circuit / Overload / Over Temperature / Over Voltage Protection | | | | | |
| | DC Input Reverse Polarity | By Fuse | | | | | |

Mechanical Specification :

